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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/788,591	02/27/2004	Trung V. Le	10429US01	6832
7590	12/30/2004		EXAMINER	
Attention: Eric D. Levinson Imation Corp. Legal Affairs P.O. Box 64898 St. Paul, MN 55164-0898				HESS, DANIEL A
		ART UNIT		PAPER NUMBER
		2876		
DATE MAILED: 12/30/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/788,591	LE, TRUNG V. <i>[Signature]</i>	
	Examiner	Art Unit	
	Daniel A Hess	2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 27 February 2004.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-20 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-20 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____.
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>6/28/04</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

DETAILED ACTION

This action is in response to 2/28/2004 filing.

Remark

A double patenting rejection has only been made herein with 10/788,600. However, double patenting rejections might similarly be made with 10/644,484, 10/788,594 and 10/788,623 as well. *Therefore it is suggested that the applicant file a terminal disclaimer joining each of the various above applications to the present one.*

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In particular, the applicant recites in claim 1 that “the housing and the host connector protruding from the housing define memory card dimensions which substantially conform to dimensions of a memory card standard.”

Clearly, if there is a protruding connector, the housing is not in conformity in shape to a memory card standard. For the sake of examining claims 1-10 on the merits, the above limitation will not be considered.

Claim 10 recites the limitation "the retractable sheath" in the first line. There is insufficient antecedent basis for this limitation in the claim.

Claim 14 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In particular, there is the following contradiction: the sheath of claim 11, upon which claim 14 depends, is a shield, so the connector does not have a shieldless tab.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-4, 7-8 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 1 of copending Application No. 10/788,591. Although the conflicting claims are not identical, they are not patentably distinct from each other because a device which meets the limitations of

claim 1 of 10/788,591 would also meet the limitations of the above claims. This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Re claims 2 and 3, particularly: Although MMC and USB are not explicitly recited in 10/788,591 claim 1, they are well known standards, and it would have been obvious to one of ordinary skill in the art at the time the invention was made to include these standards for compatibility reasons.

Claims 5 and 6 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 1 of copending Application No. 10/788,591 in view of Ballai (US 2004/0034861). This is a provisional obviousness-type double patenting rejection.

Claim 1 of 10/788,591 fails to teach updating the firmware on a card.

Ballai (entire document) teaches this.

In view of Ballai's teaching, it would have been obvious to one of ordinary skill in the art at the time the invention was made to include the old and well-known updating of firmware as recited so that the memory card may be usable on a variety of systems.

Claims 9-13 and 15-20 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 1 of copending Application No. 10/788,591 in view of Liu et al. (US 6,567,273). This is a provisional obviousness-type double patenting rejection.

Claim 1 of Liu fails to teach a retractable sheath housing the USP port.

Liu clearly shows (figures 2 and 3) a USB port that can be drawn into a retractable sheath in a card.

In view of Liu's teaching, it would have been obvious to one of ordinary skill in the art at the time the invention was made to include the old and well-known retractable Sheath as taught by Liu to protect the USB connector.

Regarding locking mechanisms (claims 16 and 17), this may be inherent; one may also see Choi et al. (US 2004/0090751).

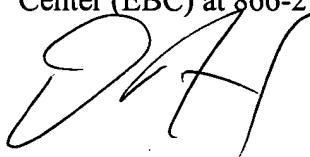
Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Pua et al. (US 2002/010147882); Chang (US 2002/0177362).

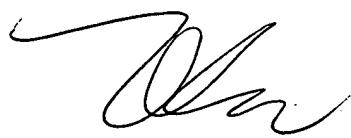
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel A Hess whose telephone number is (571) 272-2392. The examiner can normally be reached on 8:00 AM - 5:00 PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



DH



THIEN M. LE
PRIMARY EXAMINER